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News Release

Interoperability is Key Focus in Development System Aligned to SOSA™ at AUSA 2019

Multi-vendor collaboration supports OpenVPX ecosystem with functional demo

Key Highlights:

- Supports the developing SOSA initiatives for better interoperability among DoD sensor systems
- Working demo successfully demonstrates cross-industry collaboration
- OpenVPX-based development system supports different vendor cards, including SBCs, timing cards, Ethernet switches and power supplies

FREMONT, Calif., October 2019 – Elma Electronic Inc. will be showcasing a functional demo at the upcoming AUSA 2019 that supports the DoD’s MOSA (Modular Open Standards Approach) initiative for better collaboration between government, integrators and industry suppliers.

Based on a successful design that participated in SOSA’s inaugural “*PlugTest*” in September, the system being showcased at AUSA is focused on applications designed for signal intelligence (SIGINT) and electronic warfare (EW). The primary goal of the “*PlugTest*” was to test alignment to the current version of the in-process SOSA standard.

Working with several other members of the SOSA (Sensor Open Standards Architecture) consortium, Elma created an [application development environment](#) capable of integrating multiple boards from different companies into one functional platform.

Ken Grob, director of embedded computing systems for Elma noted, “As we move deeper into the DoD’s mandate, as expressed in the January tri-service memo, for increased interoperability across computing platforms, developing successful integrations between different partners will be the momentum that keeps

this initiative moving forward. This functional demo at AUSA includes products from four SOSA consortium members, but we have also tested cards and power supplies from several other vendors with the same positive results.”

The base of the showcased development environment is a 3U, 11-slot, OpenVPX E-Frame from Elma with six payload slots. A dual-channel SDR (software-defined radio) transceiver card from Spectranetix captures the digitized signals and a 3U VPX A-PNT (assured position, navigation and timing) card from Curtiss Wright that provides accurate clocking, sampling and triggering. The digitized data is sent over Ethernet via an Interface Concept high-speed switch, which delivers the data to a laptop for spectrum analysis view.

Various software implemented on the system includes MORA signal port manager and reference library as well as multiple bus support (ML2B, VDB, etc.) and tactical MDM spectrum viewer.

To see the functional demo in action, stop by AUSA 2019 Booth #2163. For more information about OpenVPX and SOSA, please visit <http://bit.ly/SOSA-DP>, contact sales at sales@elma.com, or call (510) 656-3400.

Get our updates: <http://www.linkedin.com/company/elma-electronic>

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Upcoming Elma Tradeshows: <http://www.elma.com/en/events/>

About Elma Electronic Inc.

Elma Electronic Inc. is a global manufacturer of commercial, industrial and rugged electronic products for embedded systems and [application-ready platforms](#) – from components, embedded boards, backplanes, chassis and enclosures, power supplies, to fully integrated subsystems.

With one of the widest product ranges available in the embedded industry, Elma also offers standard and custom cabinets and enclosures as well as precision components such as rotary switches/encoders, LEDs, front panels and small cases.

Elma leverages proven technology based on VITA, PICMG, and other standards-based architectures (i.e. OpenVPX, VME, CompactPCI Serial, ATCA, COM Express and PCIe/104). Elma is also actively engaged in designing solutions for applications requiring smaller footprints.

Elma Electronic manages entire projects from initial system architecture to specification, design, manufacturing and test through its worldwide production facilities and sales offices. The company serves the mil/aero, industrial, research, telecom, medical and commercial markets and is certified to ISO 9001 and AS 9100.

With U.S. headquarters in Fremont, Calif., the company maintains multiple sales, engineering and manufacturing operations in Atlanta, Ga., and Philadelphia, Pa.